

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

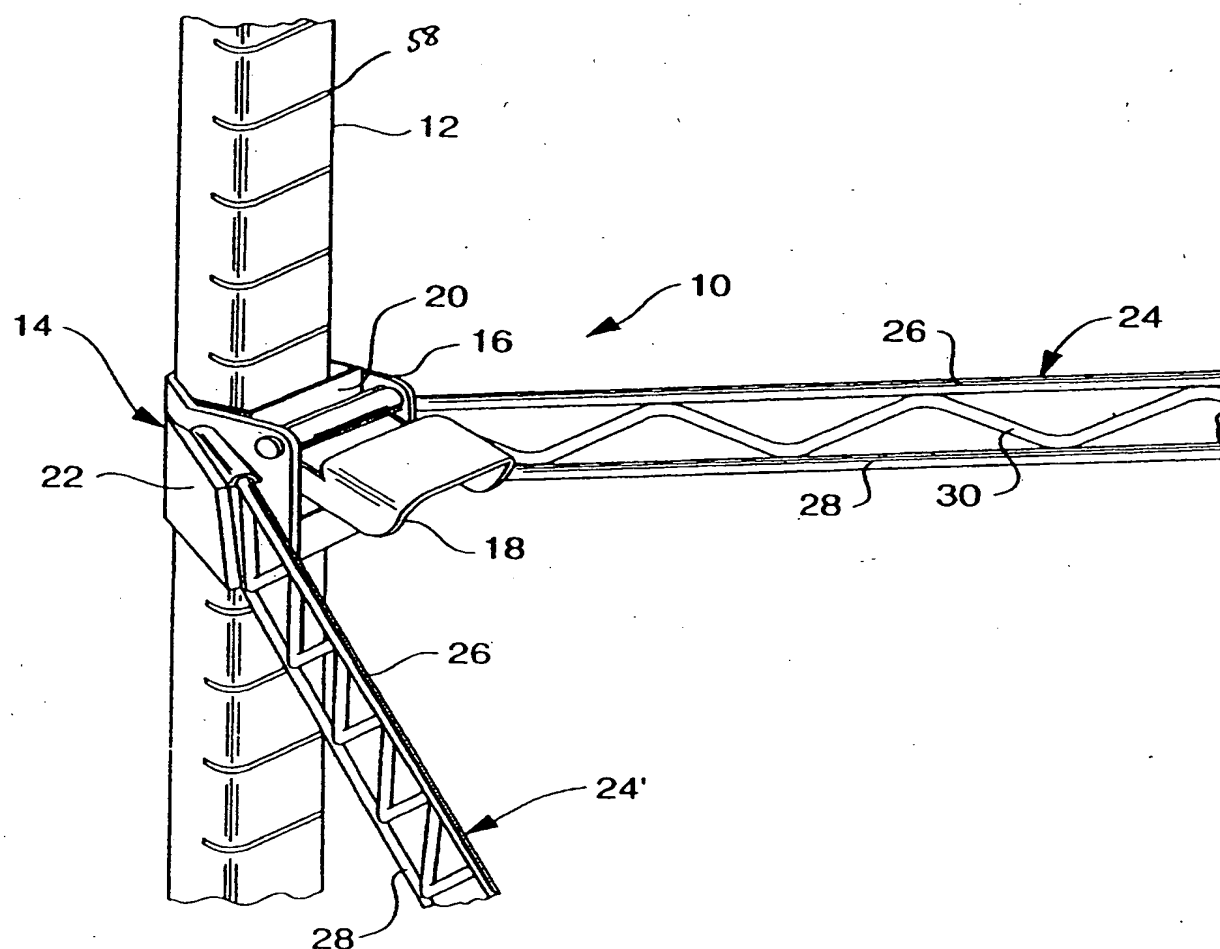
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS ✓
- GRAY SCALE DOCUMENTS

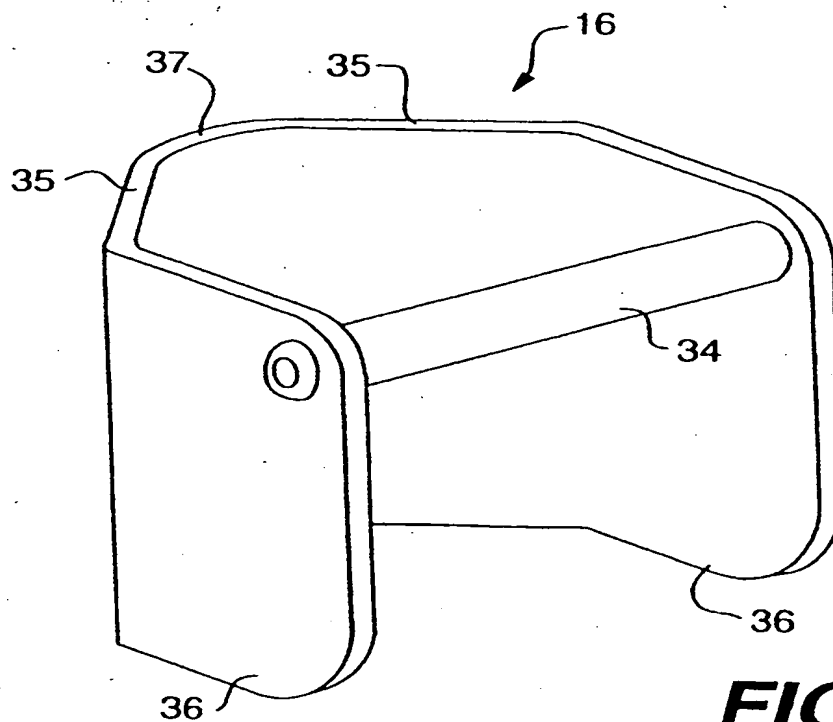
**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

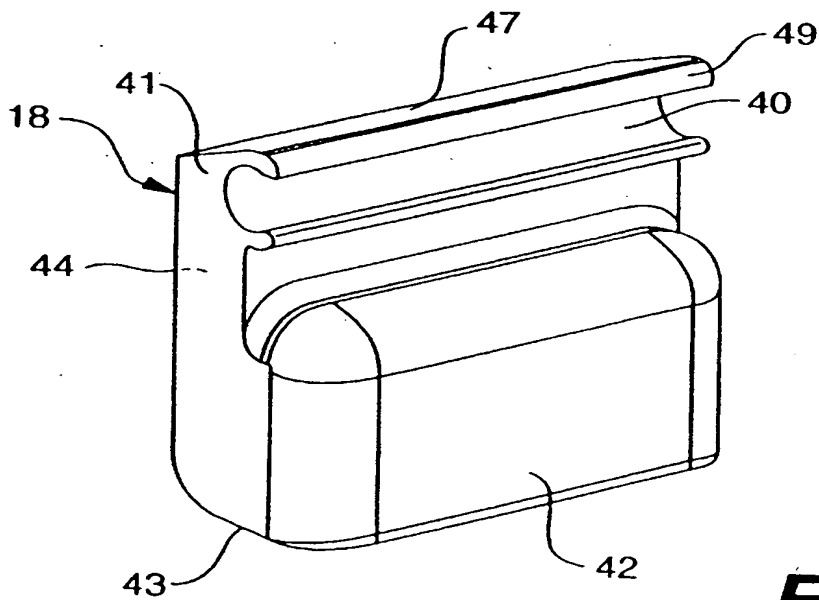


**FIG. 1**

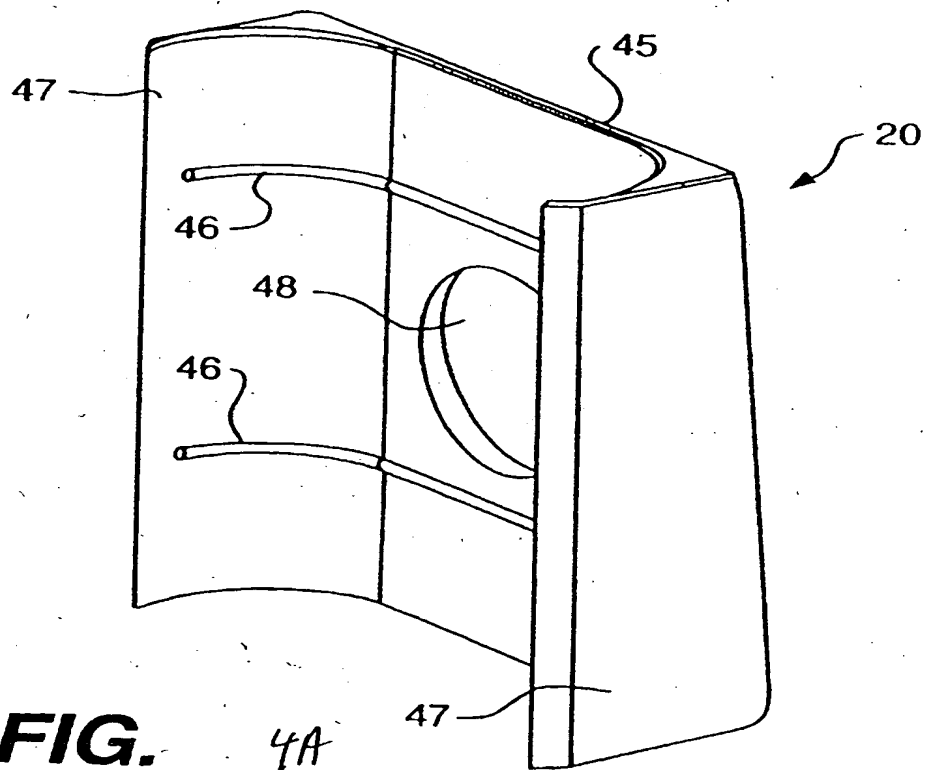
PRIOR ART



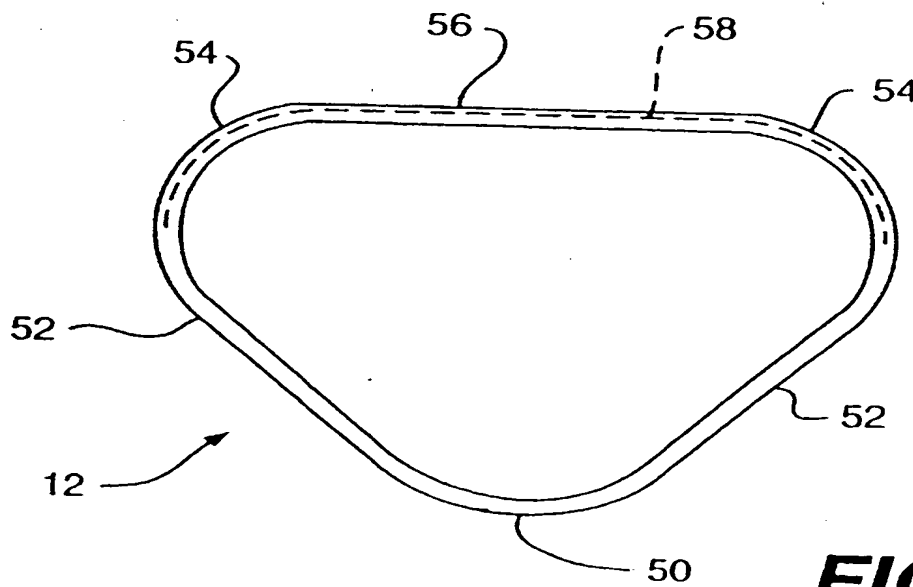
**FIG. 2**  
PRIOR ART



**FIG. 3**  
PRIOR ART



**FIG. 4A**  
PRIOR ART



**FIG. 4B**  
PRIOR ART

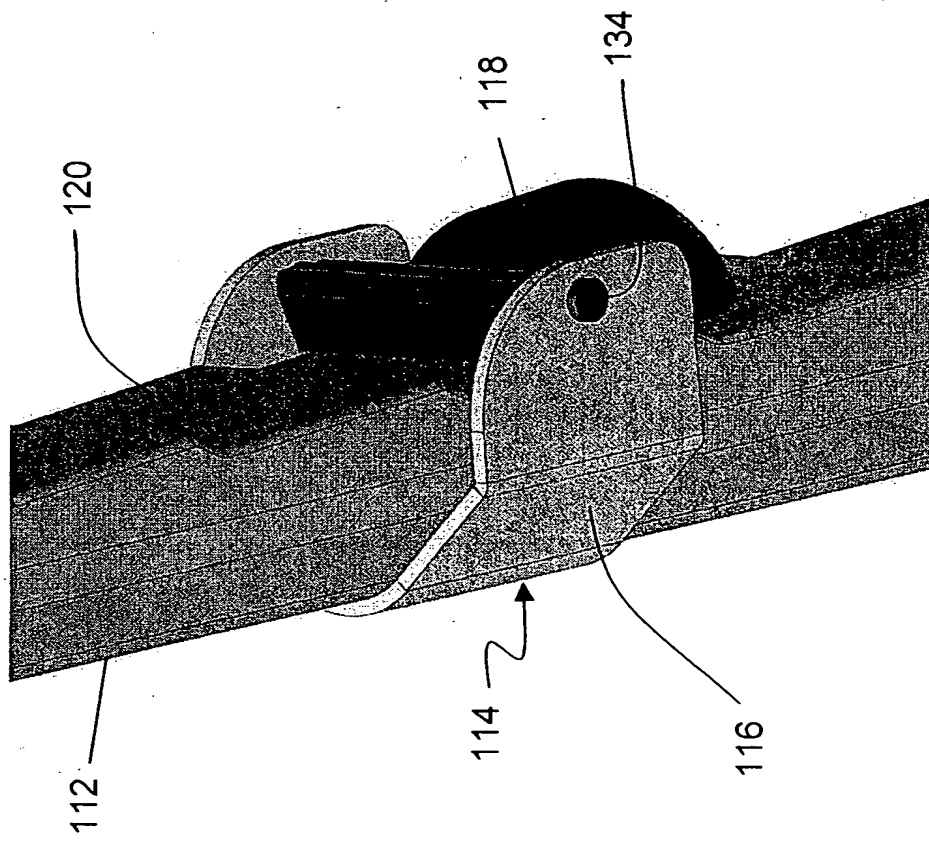
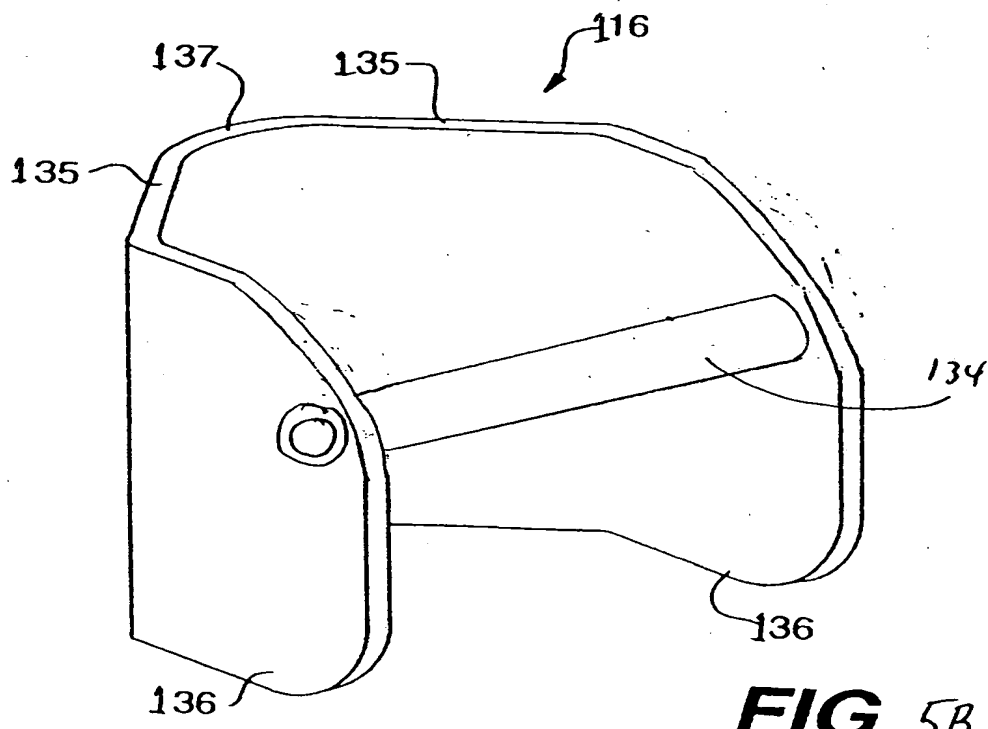
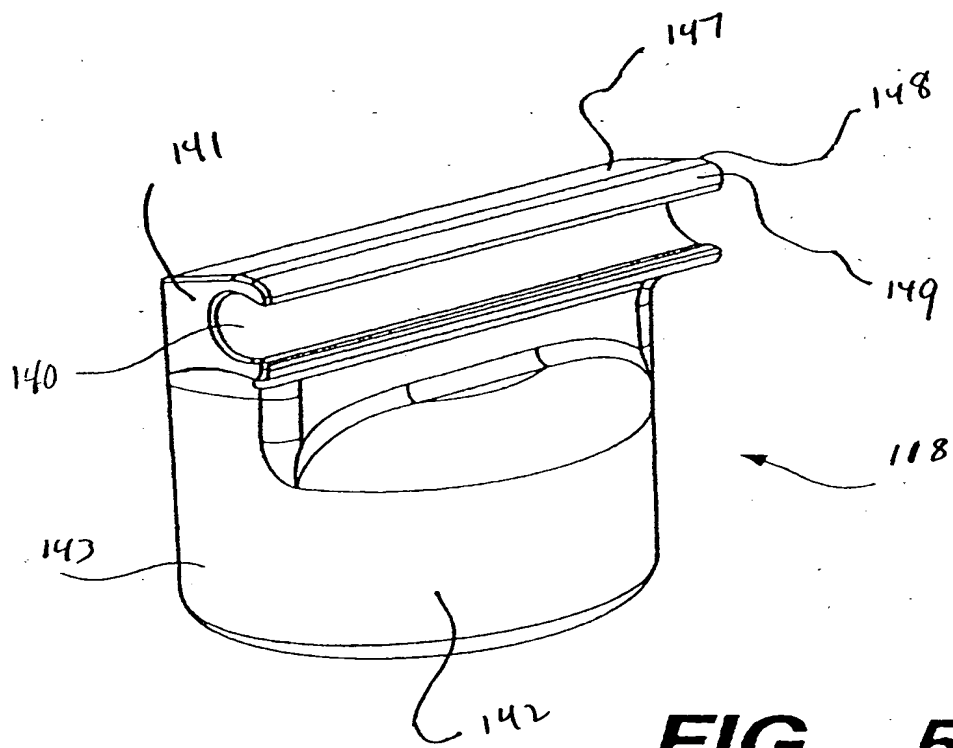


Fig. 5A



**FIG. 5B**



**FIG. 5C**

Fig. 6A

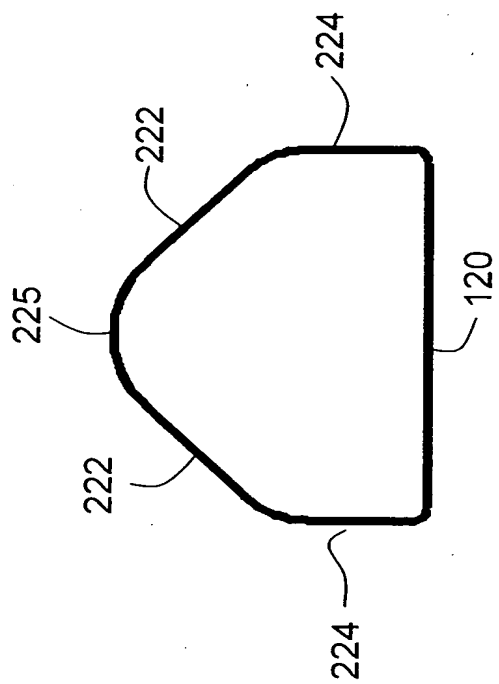
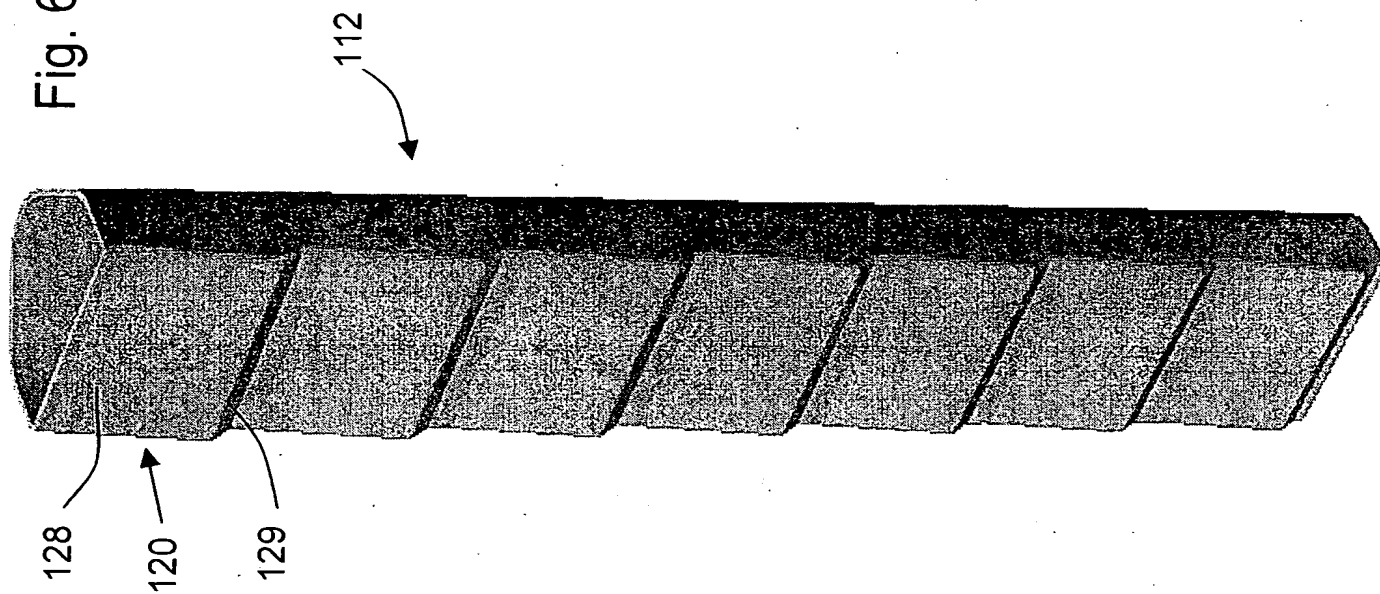
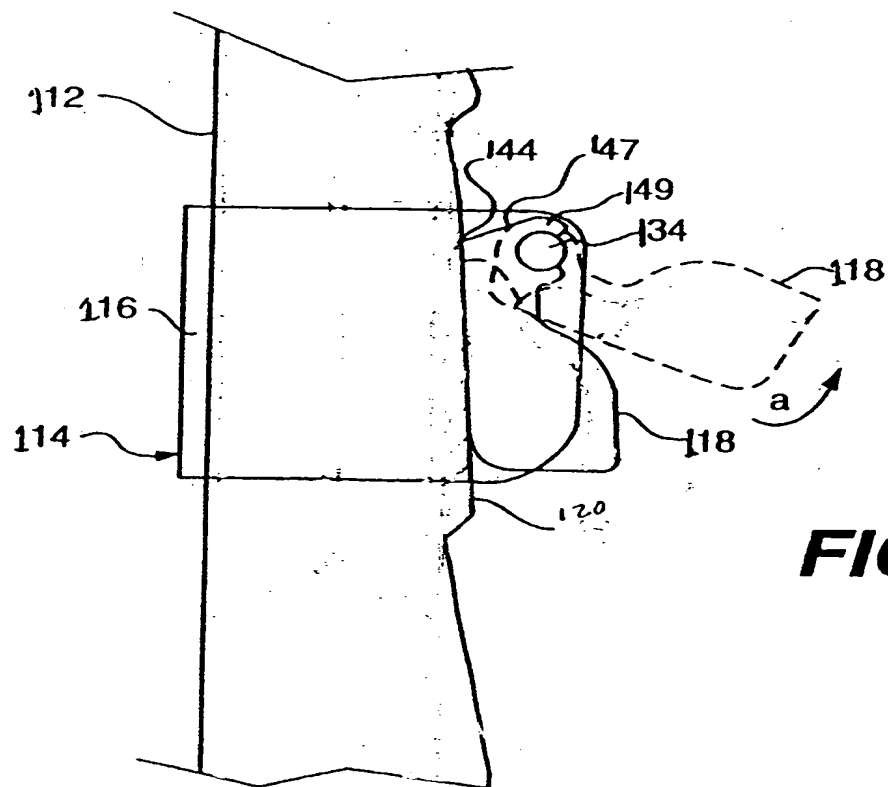
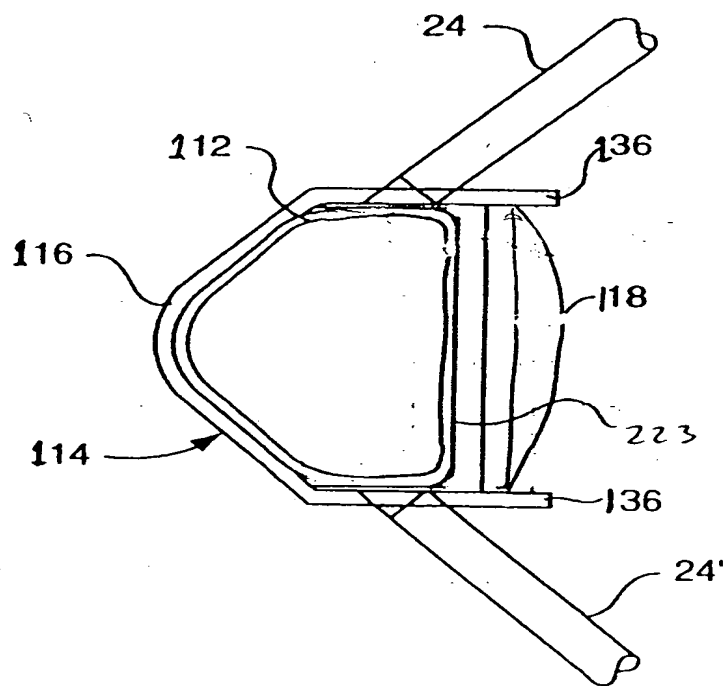


Fig. 6B





**FIG. 7A**



**FIG. 7B**

Fig. 8A

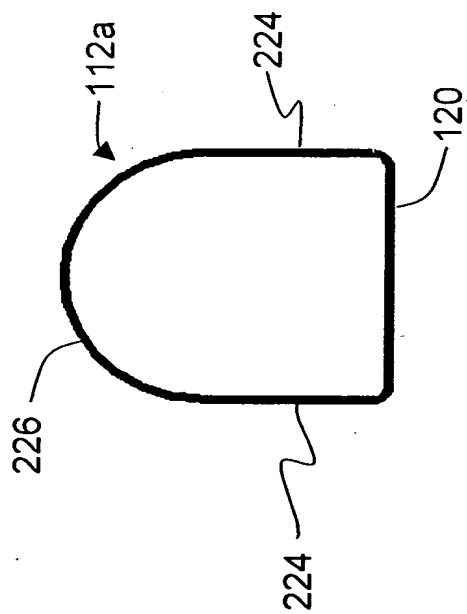
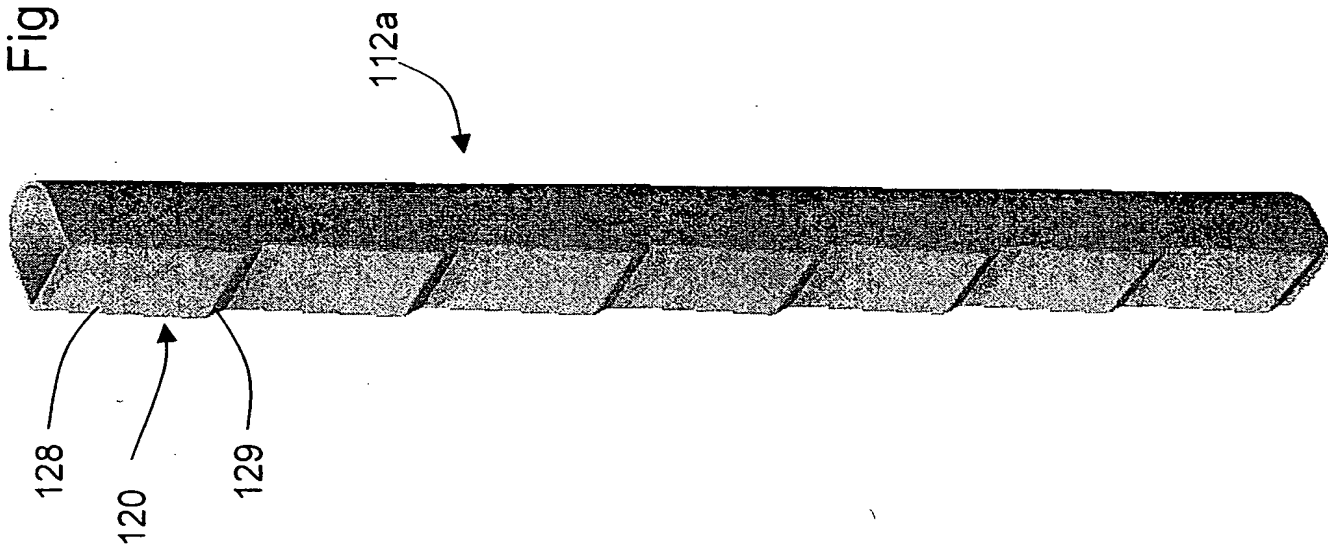


Fig. 8B

Fig. 9

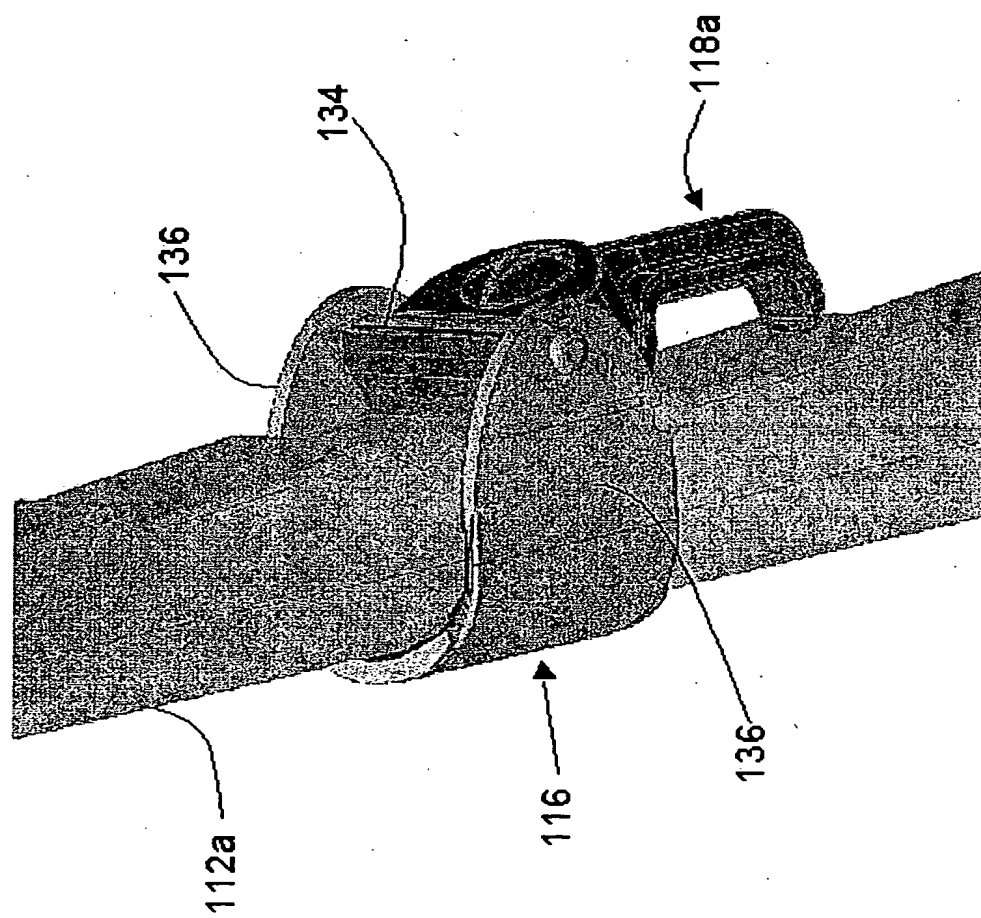
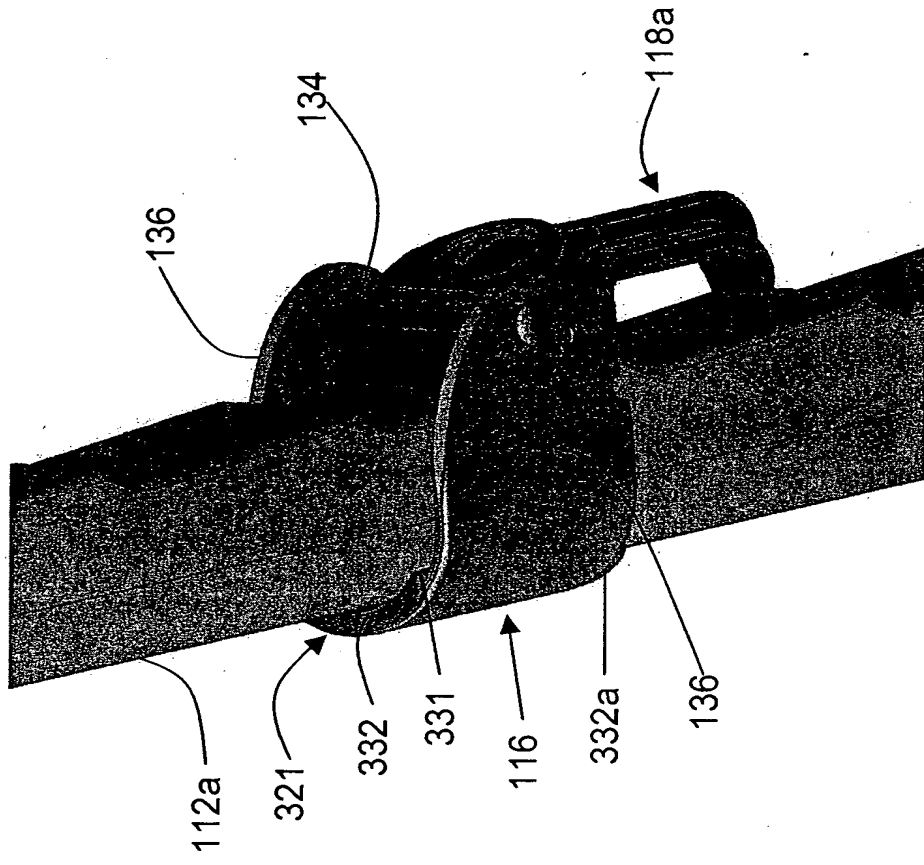


Fig. 10



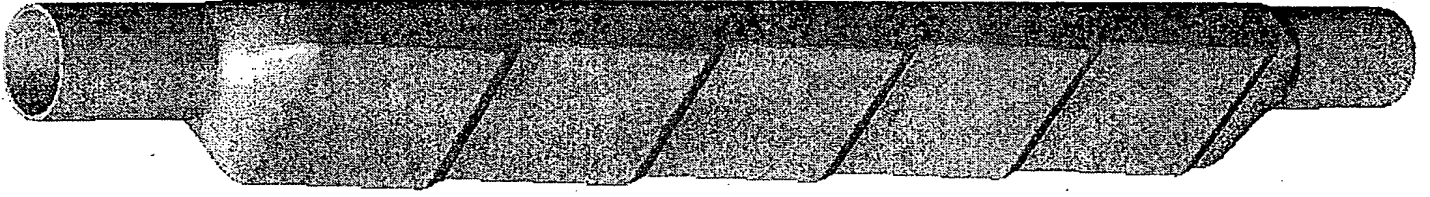


Fig. 11A-1

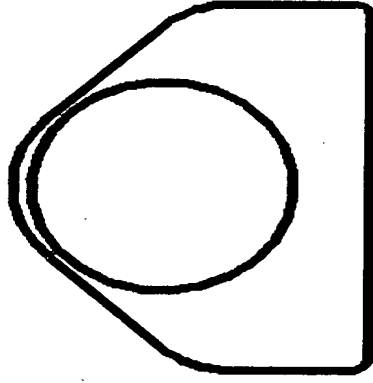


Fig. 11A-2

Fig. 11B-2

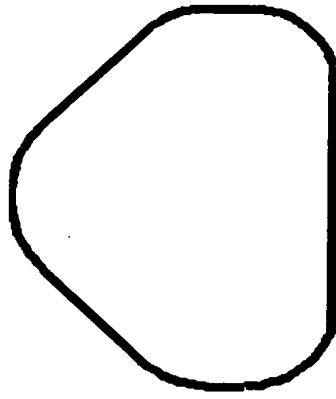


Fig. 11B-1

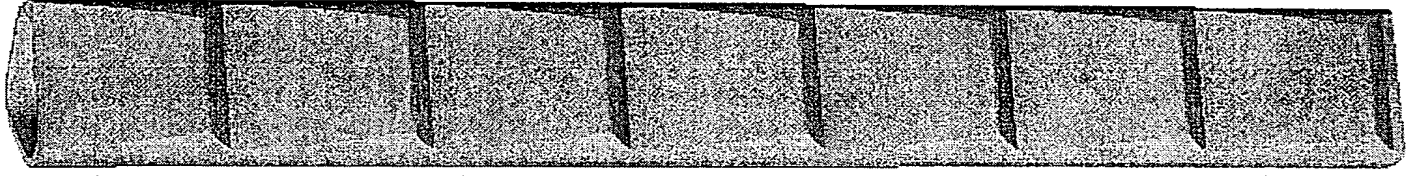


Fig. 11C-1

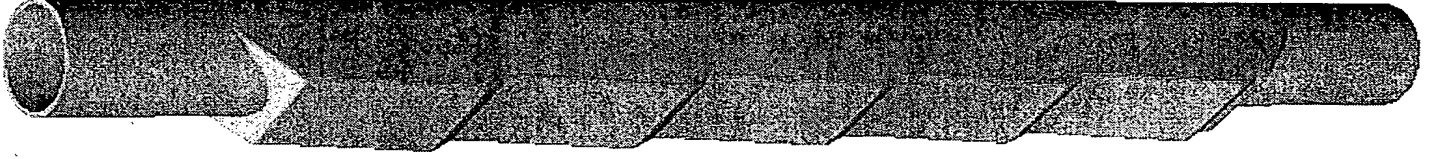


Fig. 11C-2

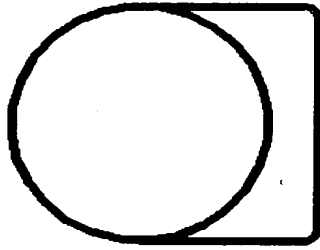


Fig. 11D-1

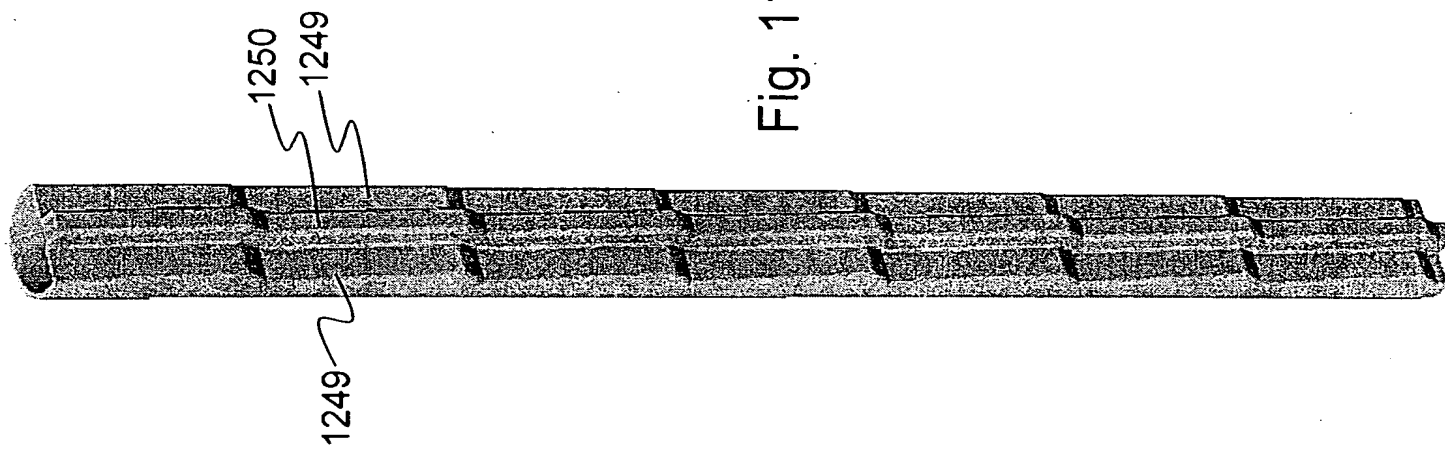


Fig. 11D-2

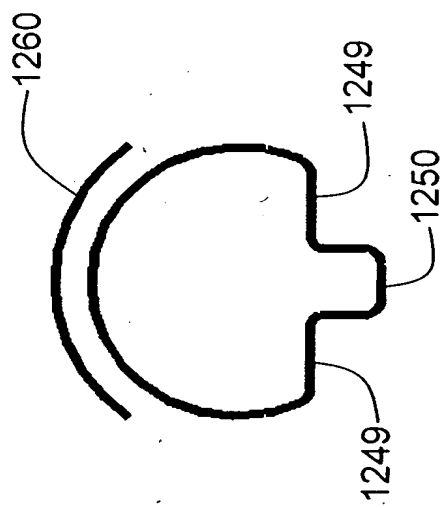




Fig. 11E-2

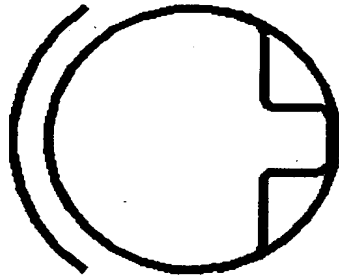


Fig. 11E-1

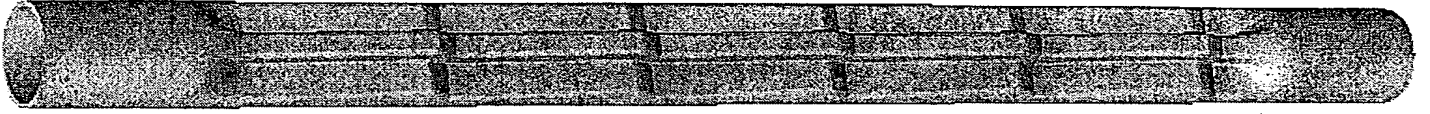


Fig. 12A

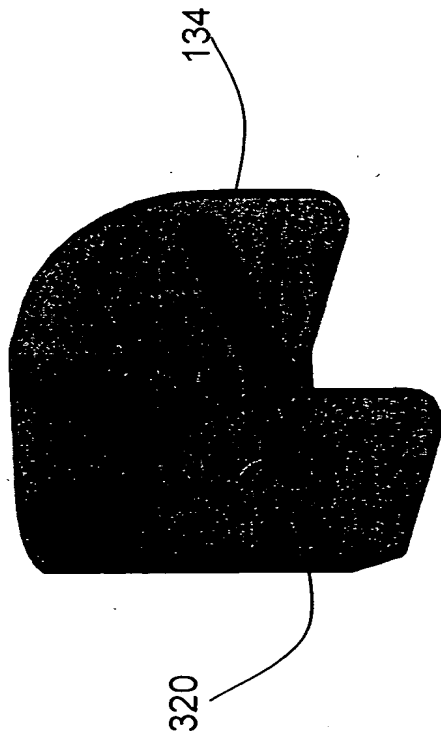


Fig. 12C

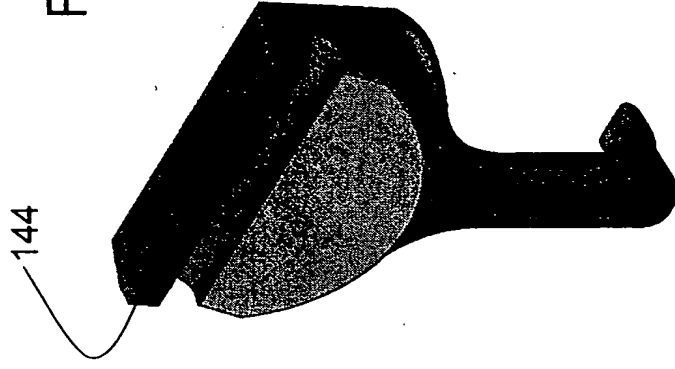


Fig. 12B

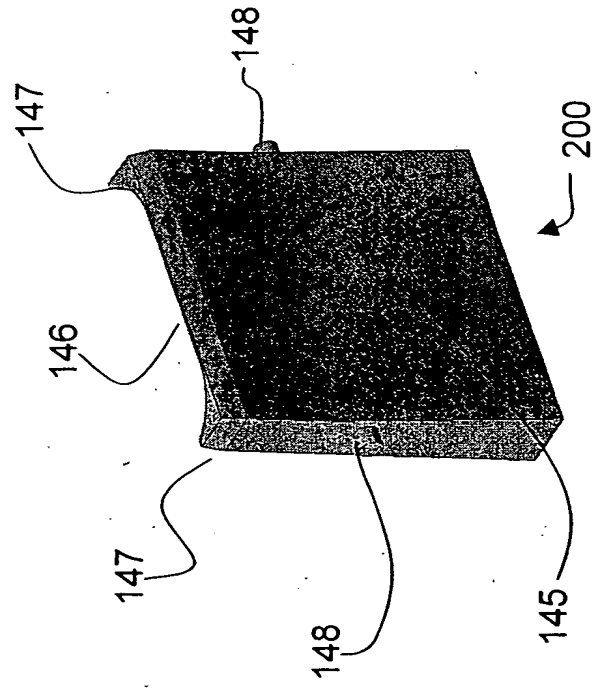


Fig. 13A

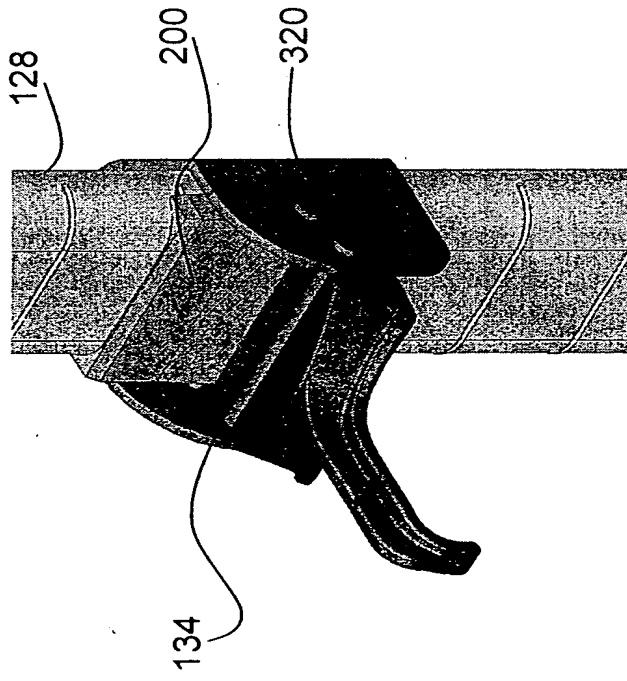


Fig. 13B

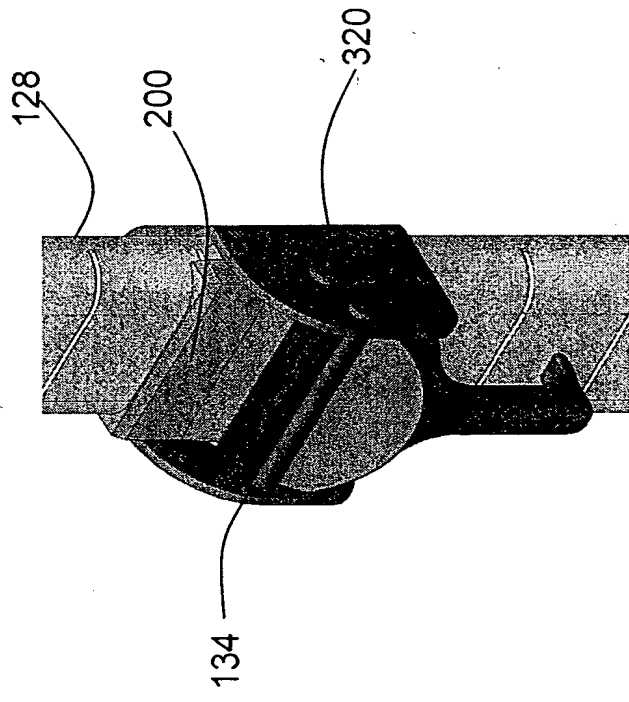


Fig. 14A

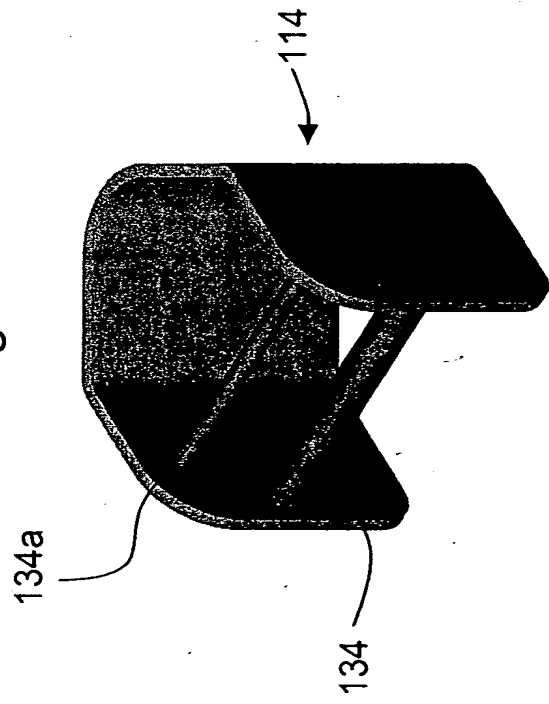


Fig. 14C

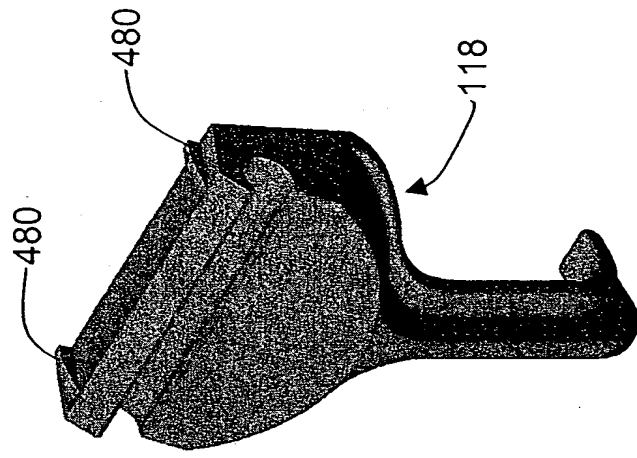


Fig. 14B

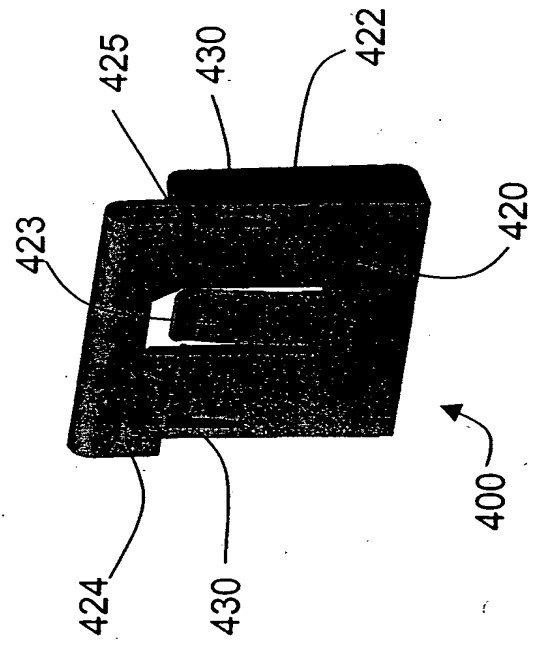


Fig. 15A

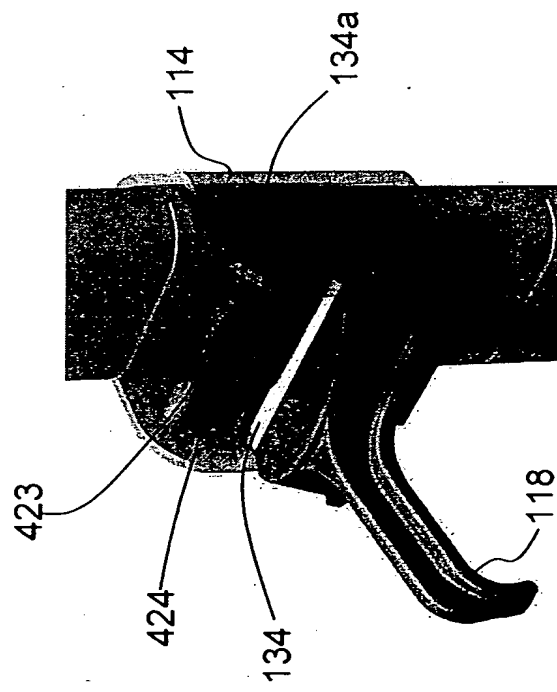


Fig. 15B

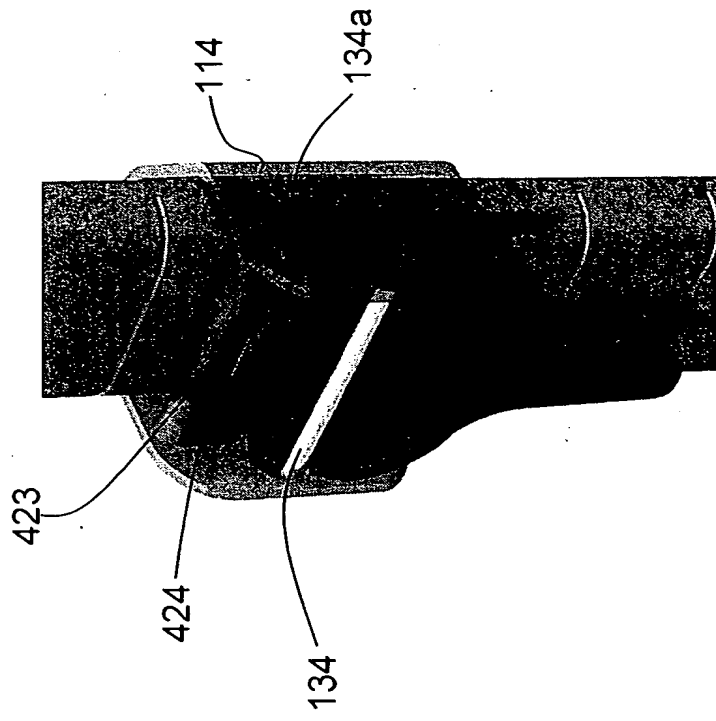


Fig. 16A

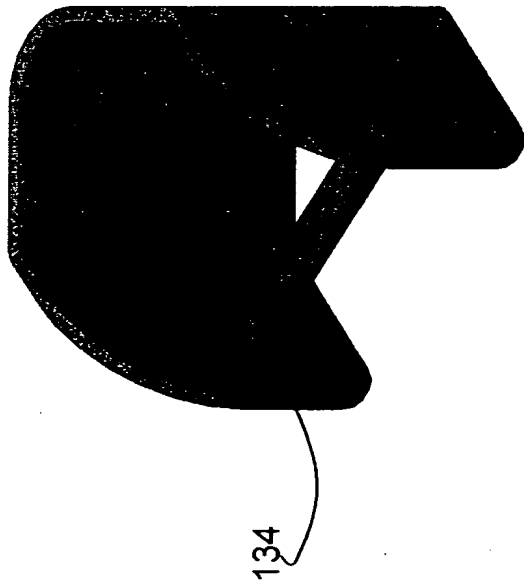


Fig. 16C



Fig. 16B

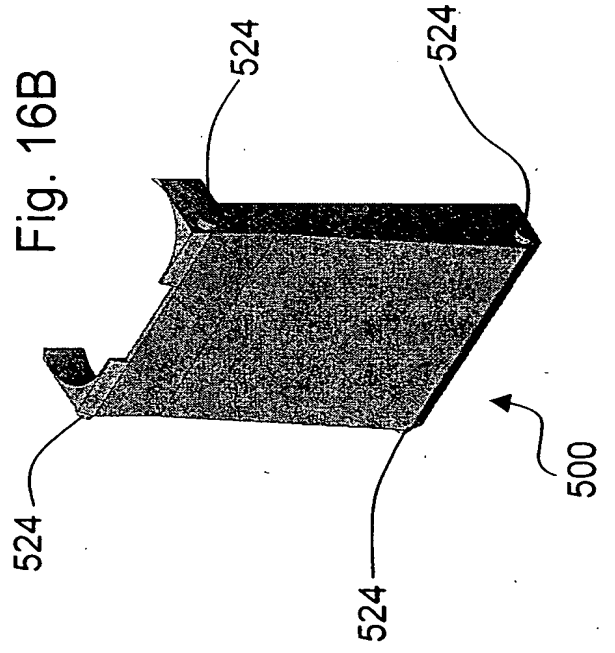


Fig. 17A

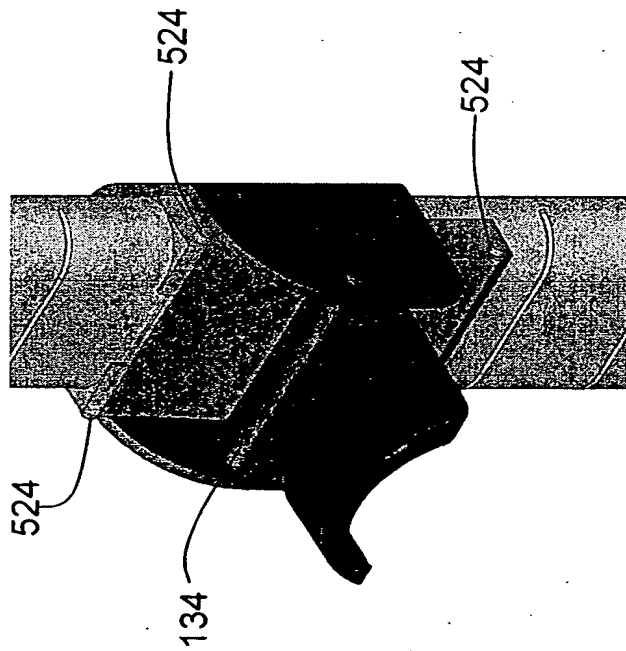


Fig. 17B

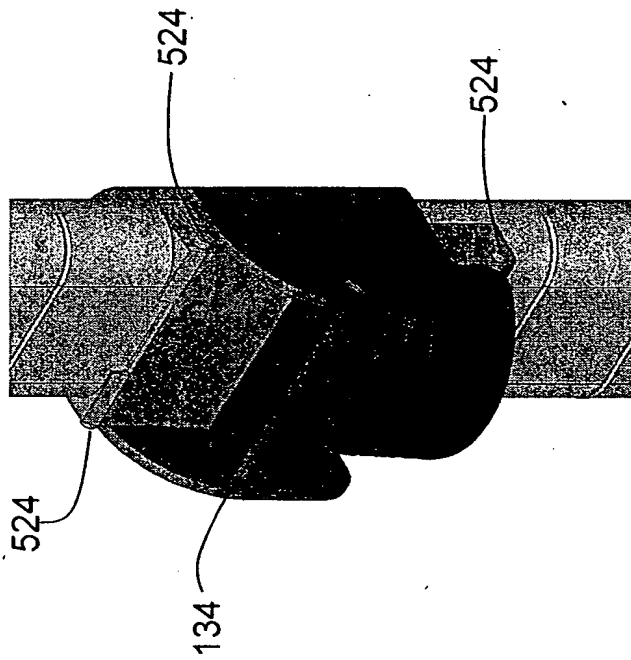


Fig. 18A

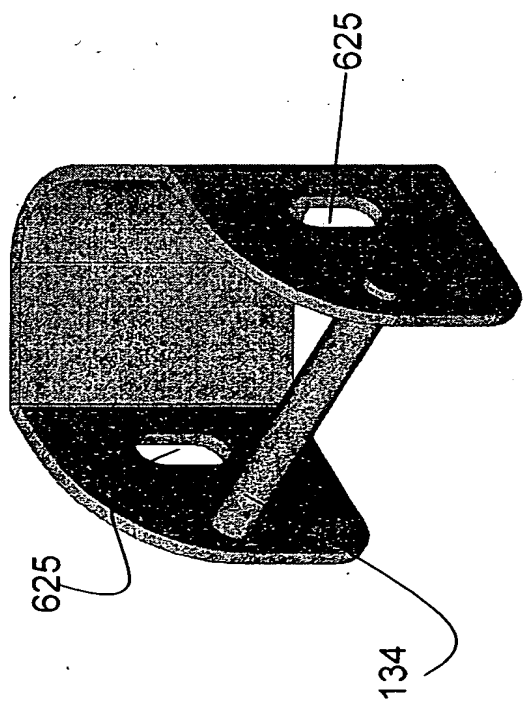


Fig. 18C

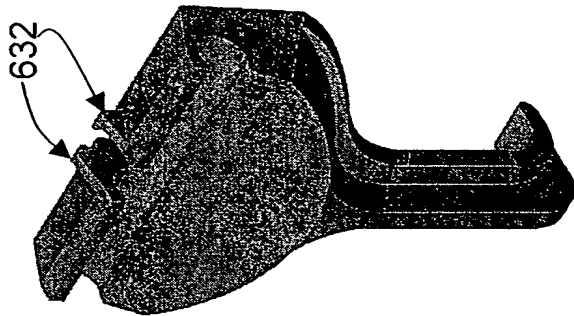


Fig. 18B

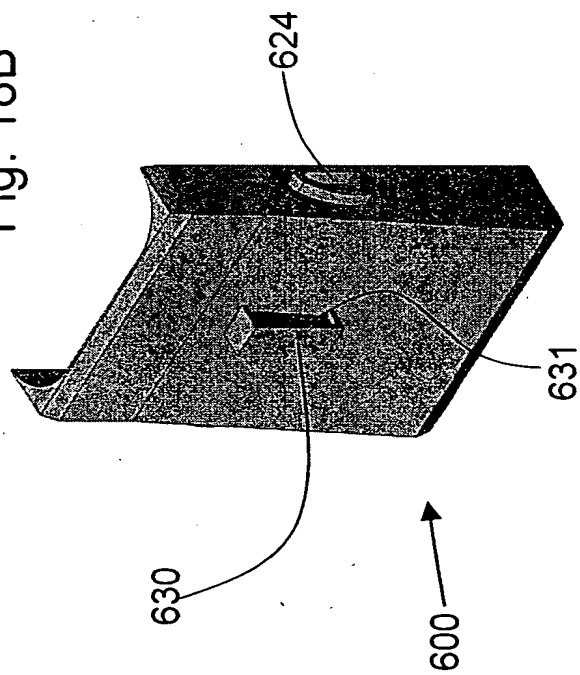




Fig. 19A

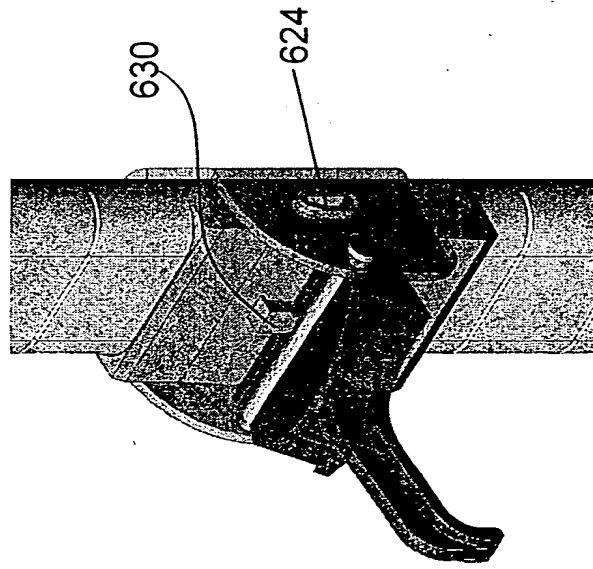


Fig. 19B

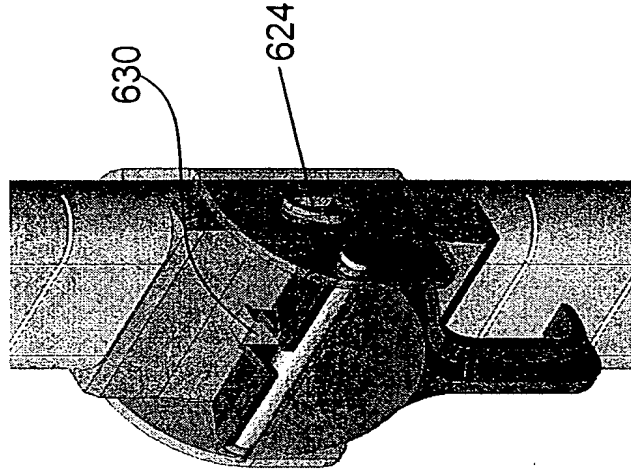


Fig. 20A

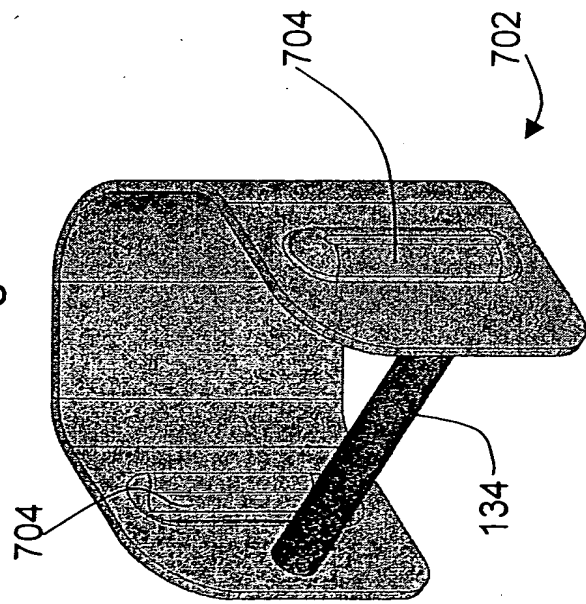


Fig. 20B

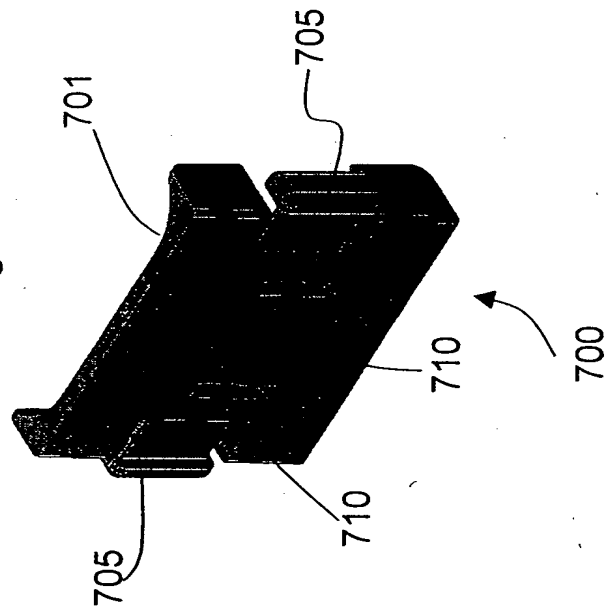


Fig. 20C

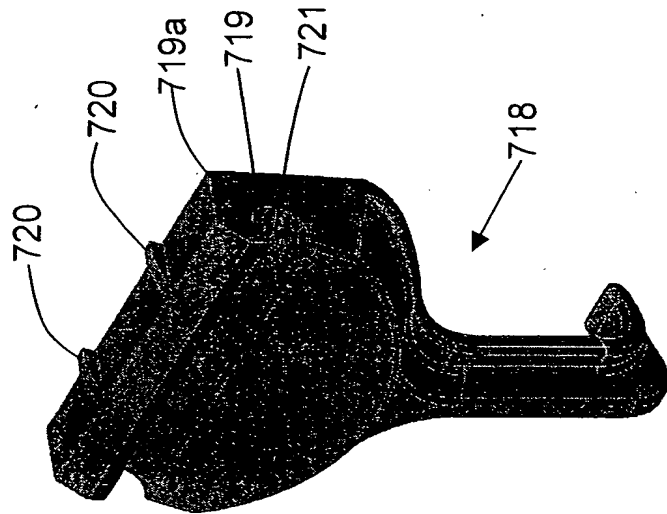


Fig. 21A

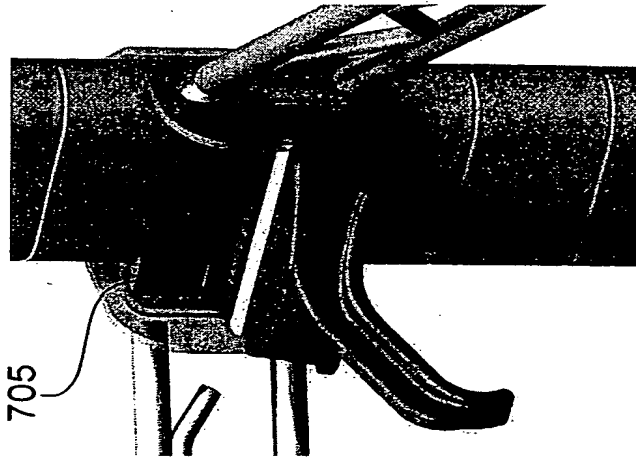


Fig. 21B

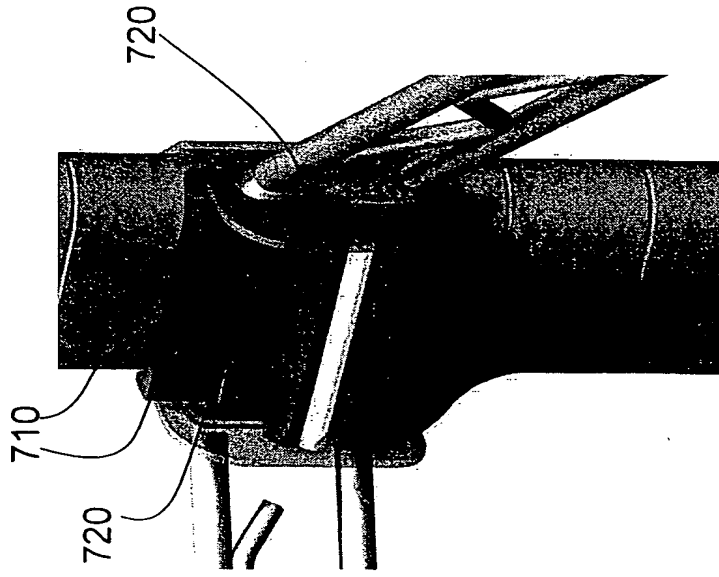


Fig. 22A

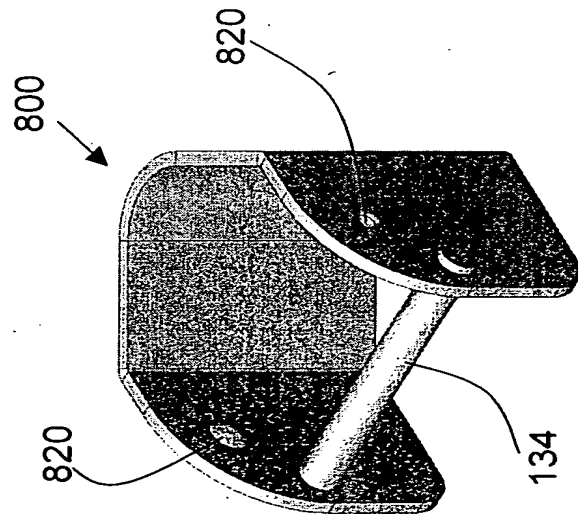


Fig. 22B

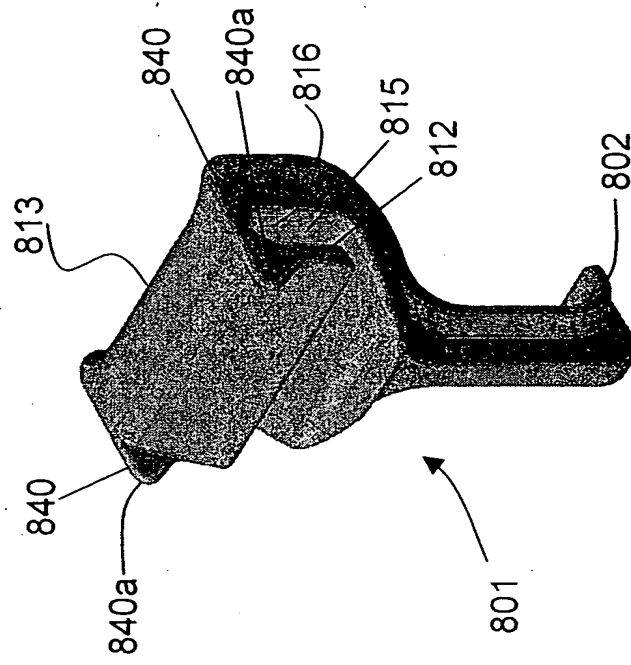


Fig. 23A

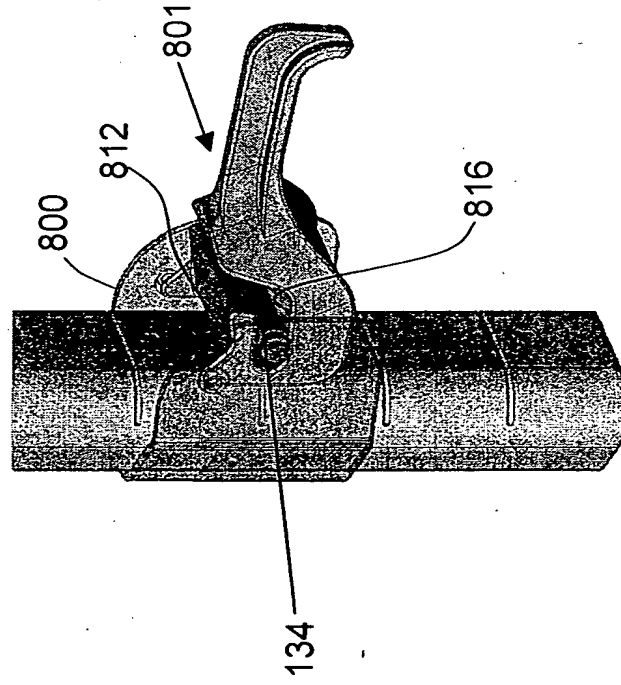


Fig. 23B

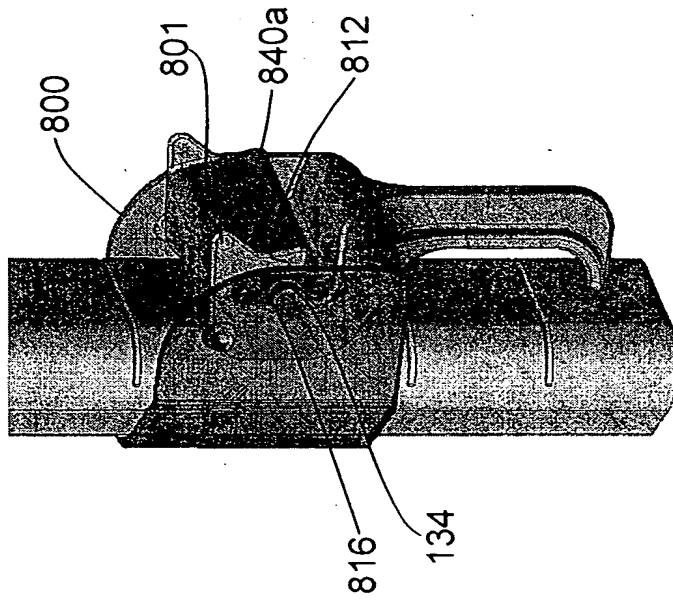


Fig. 24A

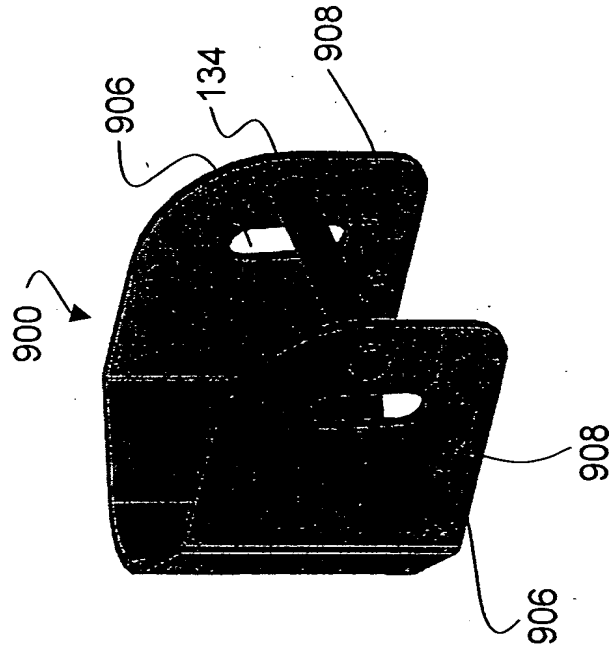


Fig. 24B

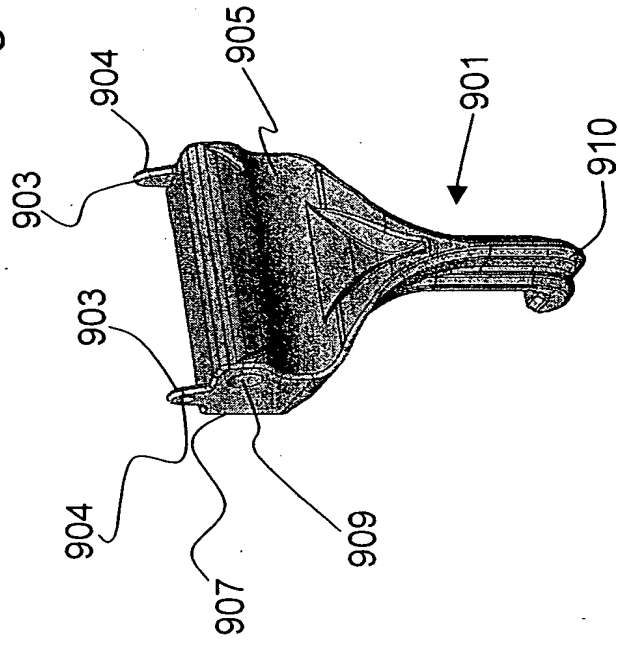


Fig. 24C

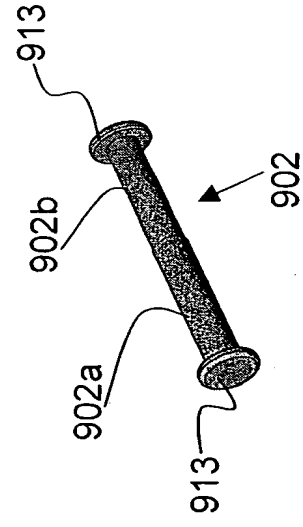


Fig. 25B

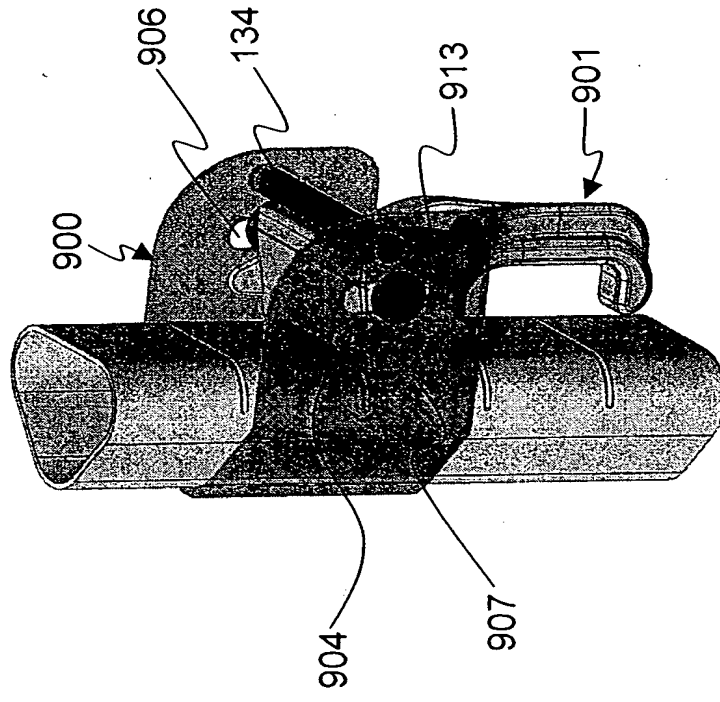


Fig. 25A

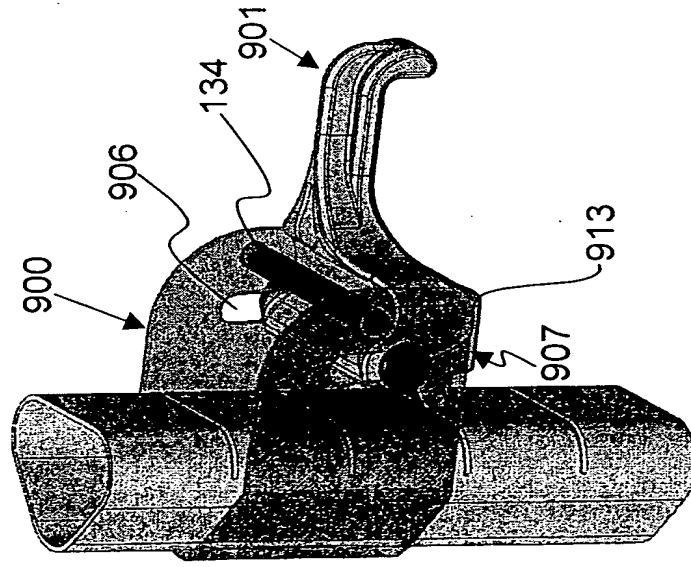


Fig. 26A

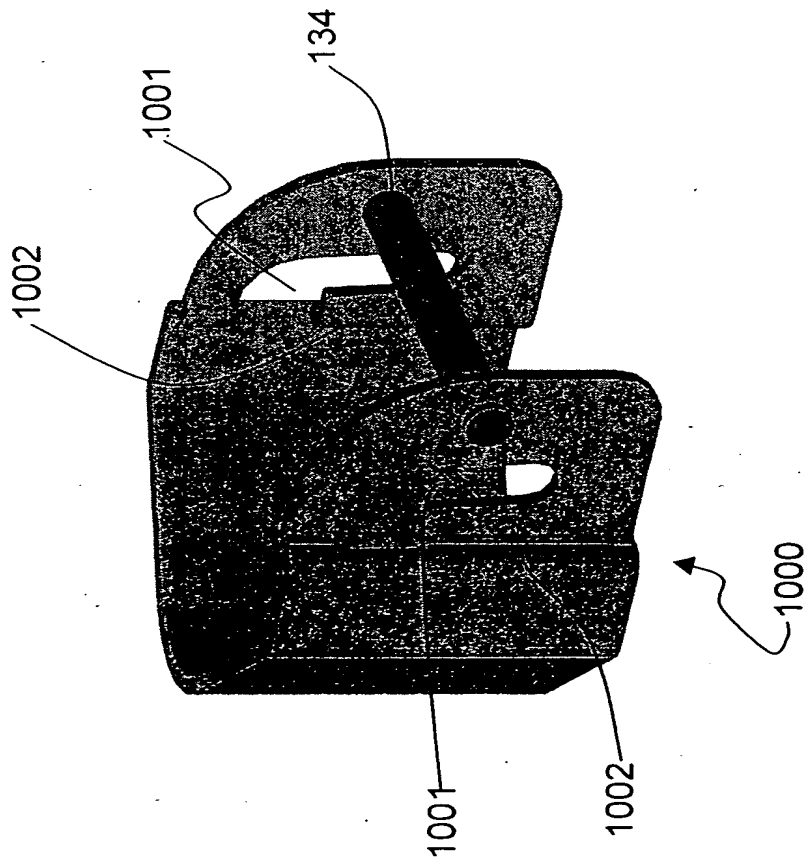


Fig. 26B

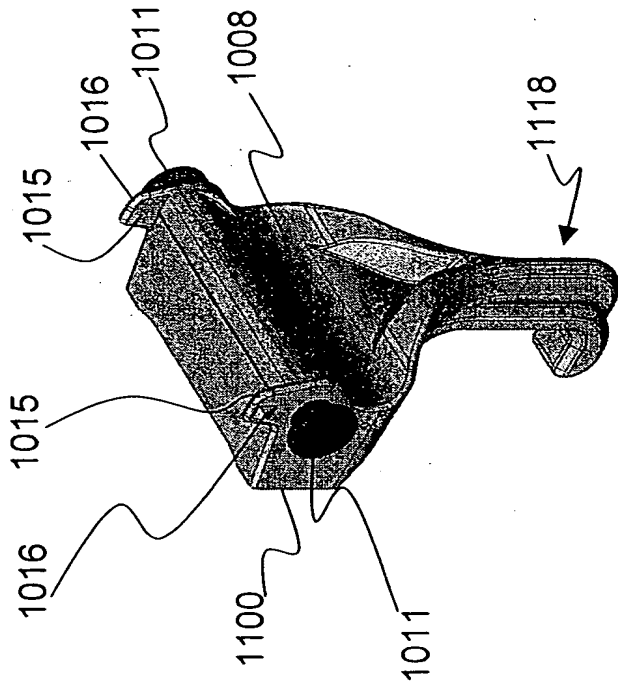




Fig. 27A

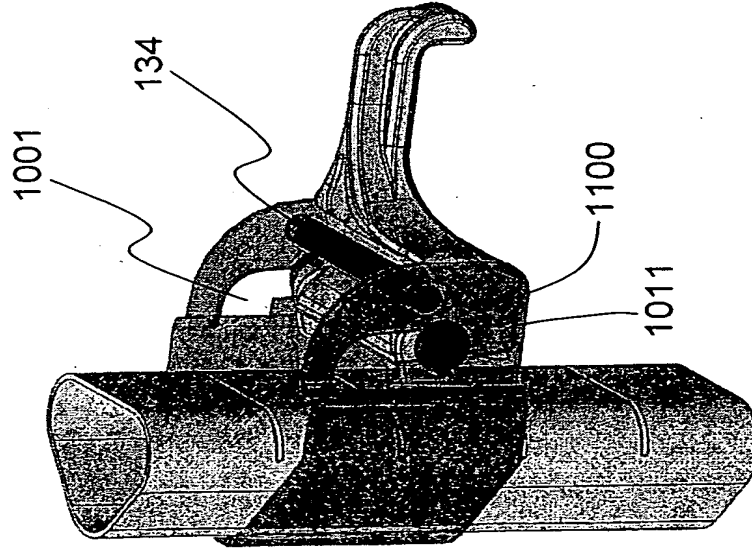


Fig. 27B

